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Bernal

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[57] ABSTRACT

In the modular oil mist generator, the mist is produced in a generating chamber which contains oil. The mist exits the generator, enters the equipment to be lubricated, exits the equipment and returns to the generator by use of an ejector. The air is separated from the oil (demisting) by use of a coalescent filter. The air returns to the atmosphere and the oil condensate is introduced into the generating chamber by demisting in a demisting chamber at a higher pressure than the generating chamber causing the passage of oil from one to the other chamber, by demisting in a chamber with lower pressure than the generating chamber and using a pneumatic pump to cause the passage of oil from one to the other chamber, or by directly introducing the condensates without use of a demisting chamber. The oil level in the generating chamber is regulated with a float valve which closes when the level reaches its maximum, preventing oil passage. It opens when the oil level drops, allowing passage of the oil.

15 Claims, 3 Drawing Sheets



